

Before the
Federal Communications Commission
Washington, D.C 20554

In the Matter of)
)
Inquiry Regarding Carrier Current Systems) ET Docket No. 03-104
Including Broadband over Power Line Systems)
)

Reply Comments of Leonard E. Kay, PhD, PE

General Reply Comments:

- 1) I contend that the future viability of the Amateur Radio Service is in conflict with the wide deployment of BPL in the U.S. per existing Part 15 regulations for the following reasons:
 - a. An unprecedented level of probable – *not* ‘possible’ - interference to the Amateur Service (and other) HF allocations, due primarily to the radiation characteristics of medium-voltage power lines used at frequencies from 2-54 MHz, which will render the allocations essentially useless, not just to amateurs, but to *all other* users of the HF spectrum, including the fixed, land mobile, and military users.
 - b. The hampering of emergency and public service communications on currently allocated Amateur frequencies from 2-54 MHz from this chronic interference
 - c. Curtailing the growth of the Amateur Service, and quite possibly triggering its eventual demise, due to the very possible inability of existing and future Amateur operators to successfully utilize the Amateur HF bands for the reason described above.
- 2) **I concur with the *Comments*, filed in this Docket, on behalf of the ARRL, the National Association for Amateur Radio, in their entirety.**
- 3) **I concur with the *Reply to Comments*, filed in this Docket, of Donald J. Toman, in its entirety.**

Conclusion:

For a multitude of reasons, including but not limited to:

- a) The interference to the Amateur Service and other HF allocated services which will **likely - not potentially** (see the data collected in the ARRL’s Comments) – **be caused** by the proposed BPL deployments
- b) The legal and security issues which are raised by Donald J. Toman in his *Reply to Comments*
- c) Keep in mind the fact that Japan and several European nations have already rejected the idea of BPL(PLC) for essentially the reasons expressed in the ARRL’s Comments (unacceptable interference).

I strongly oppose the deployment of BPL in the United States as proposed in this Docket.

Respectfully yours,
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